July through September, 1961

Recent IBM Patents

July, 1961

Chain Printer	F. M. Demer, R. H. Harrington and A. T. Shalkey	2,990,767
Record Sorting Machine	L. A. Wilson and G. A. Luning	2,990,956
Record Card Sorting Collator	J. M. Sarley and J. R. Natvig	2,990,957
Electronic Comparator	A. H. Dickinson	2,991,010
Card Feeding Machine	F. Saltz and W. J. Wheeler	2,991,074
Bed Plate for a Card Feed	W. J. Wheeler and G. R. Morris	2,991,075
Matrix Switching Means	J. P. Hammer	2,991,454
Magnetic Core Logical Devices	E. A. Brown	2,991,455
Electromagnetic Storage and Switching Arrangements	G. R. Hoffman and M. A. Maclean	2,991,457
Automatic Web Splicing Machine	H. A. Hendrich and R. N. Eichorn	2,991,827
Multiple Collector Transistors and Circuits Therefor	R. F. Rutz	2,992,337
Data Storage System	F. V. Adams and W. L. Swanton	2,992,413
Memory Transformer	F. W. Viehe	2,992,414
Magnetic Core Pulse Circuits	E. W. Bauer	2,992,415
Transistor Protective Circuit	W. N. Carroll	2,993,128
Loading Apparatus	F. W. Walsh	2,993,318
Integrating Accelerometer with Digital Readout	R. J. Orrange	2,993,382
High Speed Printer Apparatus	F. M. Demer and E. J. Grenchus	2,993,437
Regenerative Hydraulic Control Valve	H. A. Panissidi	2,993,477
Automatic Sorting Machine	A. H. Dickinson and H. J. Hallstead	2,993,595
Method of Printing on Vesicular Material	R. H. Kay	2,993,805
Photoelectric Sensing	C. Kay, J. S. McMurtrie, W. J. Nestork and V. O. Sturtevant	2,993,999
Pulse Amplifier Including Transistors	T. Einsele and H. von der Heyden	2,994,003
Self-Sorting Storage Devices	L. H. Thomas and J. W. Toner	2,994,065
Indicating Apparatus Employing Induced Current	G. E. Olson and R. S. Sanford	2,994,071
Web Movement Indicator	R. D. Durand, R. G. Driscoll and R. O. Cobb	2,994,074
Code Converter Circuit	B. L. Havens	2,994,076

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Electronic Searching Selector	H. P. Luhn, E. S. Wilson, W. L. Stahl, D. P. Berg and W. S. Dustman	2,994,475
Card Feeding, Sensing, and Translating Mechanism	H. S. Beattie	2,994,475
Keyboard Access Control System	E. Hopner, F. B. Wood and W. J. Johnson	2,994,736
Decoding Circuit	M. S. Schmookler	2,994,852
Information Record Reading System	M. M. Astrahan	2,994,853
Transfer Circuit	F. Stern-Montagny	2,994,854
Positioning Mechanism	W. E. Dickinson	2,994,856
Apparatus and Method for Graphical to Digital Conversion	F. M. Trapnell, Jr.	2,994,863
Sorting Machine	J. M. Cunningham and C. D. Hicks	2,995,240
Record Card Collator	H. J. Klotz	2,995,241
Parallel-Serial Card Path Collator	C. E. Branscomb	2,995,242
Electrostatic Incremental Drive	R. E. Page	2,995,284
Electrostatic Incremental Drive	C. J. Fitch	2,995,285
Electrostatic Incremental Drive Unit	R. E. Page	2,995,286
Card to Tape Converter	J. E. Dayger, R. J. Salani, Jr., and P. V. Babel	2,995,297
Matrix Adder	A. F. Collins	2,995,303
Document Feeding	V. R. Simpson	2,995,360

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Record Feeding Apparatus	D. G. Pittwood	2,995,363
Transistors and Circuits Therefor	R. F. Rutz	2,995,665
Transmission Line Driver	G. L. Clapper and R. L. Pratt	2,995,667
Electric Motor Control System for Navigation Programming	G. F. Kennard and H. T. Marcy	2,995,691
Pulsing of Hall Probes	R. L. Lyon	2,995,702
Power Amplifier Circuit	J. P. Beesley	2,995,710
Remote Input Unit for Data Processing System	L. E. Rickard	2,995,726
Means for Comparing Wave Shapes	E. A. Quade	2,995,727
Jet Assisted Sleeve Valve	M. E. Freeman and J. C. Gilmore	2,996,078
Junction Transistor Thermostat	L. P. Hunter	2,996,918
Selective Electrostatic Character Printing	W. A. Christopherson and L. C. Tidball	2,997,361
High Speed Relay	R. E. Callaway	2,997,560
Infrared Radiation Entrance Window	V. J. Lyons, G. A. Silvey and W. J. Turner	2,997,590
Binary Comparator	R. C. Lamy	2,997,692
Electrostatic Storage System	W. J. Deerhake and B. L. Havens	2,997,693
Magnetic Core Device	W. Buchholz, M. K. Haynes and G. E. Whitney	2,997,696
Visual Indicators for Low Voltage Apparatus	N. H. Kramer	2,997,700
Asynchronous Add-Subtract System	M. R. Marshall	2,998,191
Continuous Web Feeding System	F. W. Walsh	2,998,204
Magnetic Memory System for Ternary Information	H. L. Jones	2,998,594

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Full Adder	A. L. Ferris	2,998,918
Shift Register Using Solid State Devices	L. H. Thomas	2,999,229
Positioning Device	R. V. Rogers	2,999,392
Manually Controlled Record Sorting Machine	S. Brand	2,999,592
High Speed Punch Mechanism	A. M. Tailleur	2,999,632
Electrical Circuit Connector Apparatus	O. B. Shafer	2,999,918
Hydraulic Drive Mechanism for Moving an Article to Predetermined Points	G. H. May	3,000,359
Electronic Apparatus	K. E. Schreiner	3,000,564
Semiconductor Device with Controlled Zone Thickness	J. C. Marinace	3,000,768
Method of Selectively Plating PN Junction Devices	S. Gilman	3,000,797
Data Transmission	J. W. Beck	3,001,140
Wideband Amplifier Apparatus	F. M. Trapnell, Jr. and R. E. Bonner	3,001,147
Electrical Connector	F. A. Schultz	3,001,171
Hydraulic System for Driving Several Actuators	D. C. Allais and N. A. Vogel	3,001,369
Printing Mechanism	R. W. Rice, Jr.	3,001,628
Margin Stop for Typewriter	R. H. Mimlitch	3,001,629
Case Shift Mechanism for Typewriters	R. D. Dodge and E. S. Pearson	3,001,630
Time Delay Packing Counter	M. J. Lafaurie	3,001,704
Magnetic Core Matrix	M. K. Haynes	3,001,710
Beam Switching Tube Logic Circuit	T. B. Horgan	3,001,712
End-Driven Resilient Recording Device	R. E. Marrs	3,001,850
Semiconductor Devices and Method of Making Same	R. S. Schwartz and B. N. Slade	3,001,895
Diffusion Control in Germanium	J. C. Marinace	3,001,896
Transistor Circuit Element	R. F. Rutz	3,002,100
Transformer Coupling of Logical Circuits	R. A. Henle, E. H. Valentine and P. Halpern	3,002,107
Programmed Superconductor Ring Commutator	D. J. Dumin	3,002,111
Crystal Diode Encapsulation	M. Beliveau and F. E. Grace	3,002,132
Pulse Gating Device	W. E. Proebster	3,002,184